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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,326	09/30/2003	Sigmund Kulessa	COD0183	6484
27777 7590 04/28/2009 PHILIP S. JOHNSON JOHNSON & JOHNSON ONE JOHNSON & JOHNSON PLAZA			EXAMINER	
			BOUCHELLE, LAURA A	
	N & JOHNSON PLAZ VICK, NJ 08933-7003		ART UNIT	PAPER NUMBER
			3763	
			MAIL DATE	DELIVERY MODE
			04/28/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/676,326	KULESSA, SIGMUND
Office Action Summary	Examiner	Art Unit
	LAURA A. BOUCHELLE	3763
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tinwill apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed on 10 F This action is FINAL. Since this application is in condition for alloware closed in accordance with the practice under E 	s action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-13,15-35 and 37-56 is/are pending 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-13,15-35 and 37-56 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers	wn from consideration.	
9)☐ The specification is objected to by the Examine	ar.	
10) The drawing(s) filed on is/are: a) accomposition and accomposition accomposition and accomposition and accomposition and accomposition and accomposition and accomposition and accomposition accomposition and accomposition accomposition and accomposition accomposition and accomposition acc	cepted or b) objected to by the liderawing(s) be held in abeyance. See tion is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/4/08.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/10/09 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-13, 15-35, 37-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tucker et al (US 4,193,397) in view of Karp (US 2003/0133358). Tucker discloses an infusion apparatus that includes a medication reservoir, a carrier reservoir, a mixing chamber 88, a medication flow path, a carrier flow path, a medication pump system, and an outlet port. The device also includes a bolus port, a medication flow restrictor, and a carrier flow restrictor (col. 5, line 53 – col. 6, line 13, col. 7, lines 28-33). These restrictors can be more or less restrictive than one another. The device also includes a power cell.

3. Claims 1, 19, 41, 49 differ from Tucker in calling for the mixing chamber to be a microfluidic chip having a capillary pathway disposed in a serpentine pattern. Claims 15 and 16 call for the flow restrictors to be a microfluidic chip. Tucker discloses that mixing chamber 88

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serves to mix multiple fluids and deliver the mixture to the patient (col. 9, lines 55-65). Karp teaches a microfluidic chip for mixing multiple fluid steams without a need for moving parts. The chip has a capillary pathway in a serpentine pattern. See Figs. 13 A-E. This configuration allows for complete mixing of the two fluids in a compact area without the use of moving parts that add to the cost of manufacture as well as the life of the device. It would have been obvious to one of ordinary skill in the art at the time of invention to modify the device of Tucker to include the microfluidic chip as taught by Karp to allow for better mixing of the two fluids without adding any complicated structures or mechanisms to the device.

Response to Arguments

4. Applicant's arguments, see pages 15, 16, filed 2/10/09, with respect to the rejection(s) of claim(s) 1, 19, 41, 49 under Tucker have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Tucker in view of Karp.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAURA A. BOUCHELLE whose telephone number is (571)272-2125. The examiner can normally be reached on Monday-Friday 8-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nicholas Lucchesi can be reached on 517-272-4977. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nicholas D Lucchesi/ Supervisory Patent Examiner, Art Unit 3763 Laura A Bouchelle Examiner Art Unit 3763

/L. A. B./ Examiner, Art Unit 3763